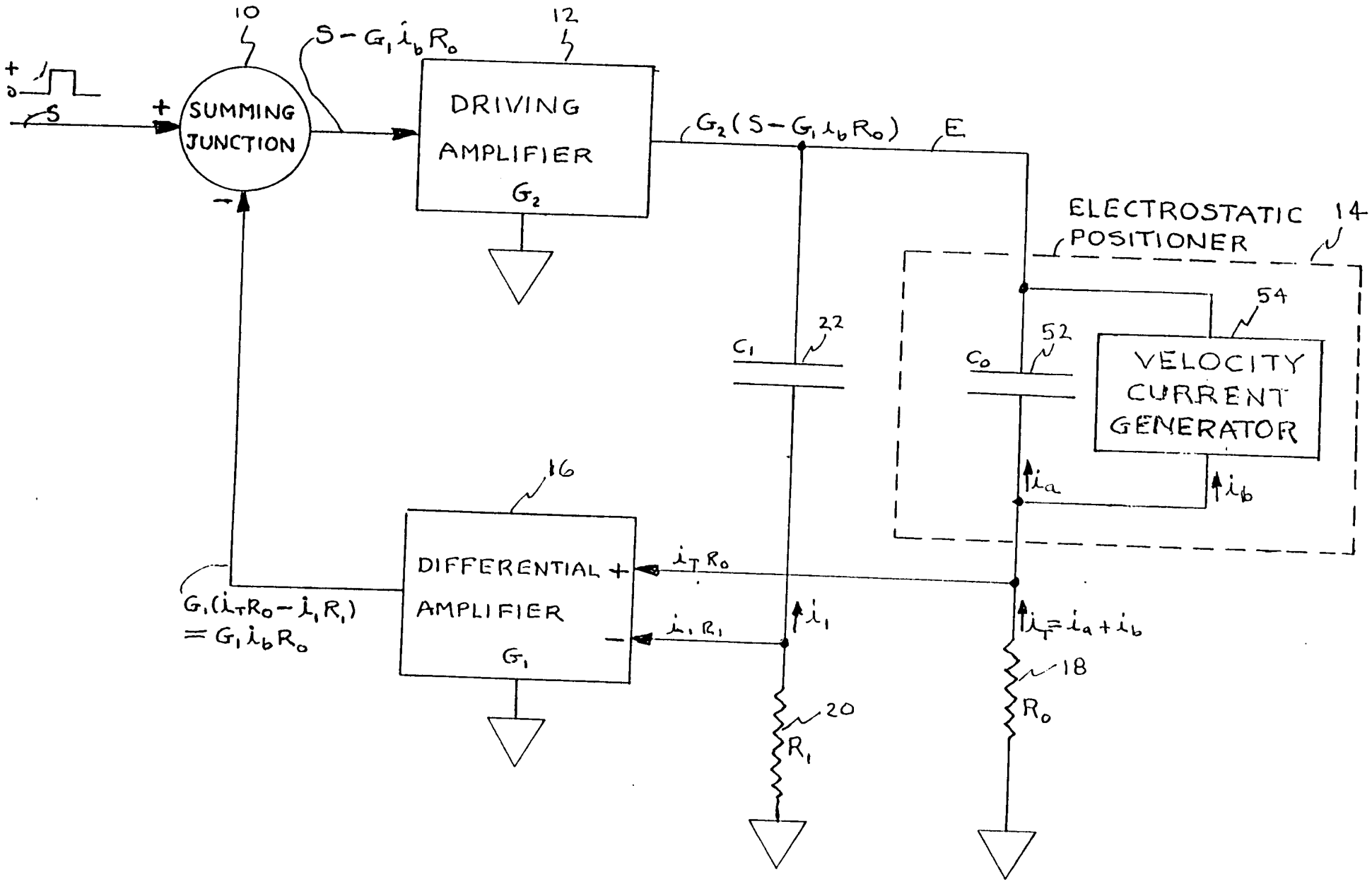
10
12
$S - G_1 i_b R_o$
+
S
SUMMING JUNCTION
DRIVING AMPLIFIER
G_2
$G_2(S - G_1 i_b R_o)$
E
ELECTROSTATIC POSITIONER
14
54
52
22
C_1
C_o
VELOCITY CURRENT GENERATOR
i_a
i_b
16
DIFFERENTIAL AMPLIFIER
G_1
$i_T R_o$
$i_1 R_1$
i_1
$i_T = i_a + i_b$
$G_1(i_T R_o - i_1 R_1)$
$= G_1 i_b R_o$
18
R_o
20
R_1

FIG 1